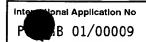
PATENT COOPERATION TREATY

From the INTERNATIONAL SEARCHING AUTHORITY	PCT
9 John Street London WC1N 2ES UNITED KINGDOM	NOTIFICATION OF TRANSMITTAL OF EIVED THE INTERNATIONAL SEARCH REPORT OR THE DECLARATION (PCT Rule 44.1)
	Date of mailing (day/month/year) 13/03/2001
Applicant's or agent's file reference WOP12750A	FOR FURTHER ACTION See paragraphs 1 and 4 below
International application No. PCT/ GB 01/ 00009	International filing date (day/month/year) 02/01/2001
SEIKO EPSON CORPORATION	
The applicant is hereby notified that the International Search Filling of amendments and statement under Article 19: The applicant is entitled, if he so wishes, to amend the claim When? The time limit for filing such amendments is norma	ns of the International Application (see Rule 46):
International Search Report; however, for more de Where? Directly to the International Bureau of WIPO 34, chemin des Colombettes 1211 Geneva 20, Switzerland Fascimile No.: (41-22) 740.14.35	
For more detailed instructions, see the notes on the accordance	mpanying sheet.
2. The applicant is hereby notified that no International Search Article 17(2)(a) to that effect is transmitted herewith.	n Report will be established and that the declaration under
3. With regard to the protest against payment of (an) addition the protest together with the decision thereon has been applicant's request to forward the texts of both the protest.	n transmitted to the International Bureau together with the
no decision has been made yet on the protest; the app	olicant will be notified as soon as a decision is made.
4. Further action(s): The applicant is reminded of the following:	
Shortly after 18 months from the priority date, the international ap If the applicant wishes to avoid or postpone publication, a notice priority claim, must reach the International Bureau as provided in completion of the technical preparations for international publications.	of withdrawal of the international application, or of the in Rules 90bis.1 and 90bis.3, respectively, before the
Within 19 months from the priority date, a demand for internations wishes to postpone the entry into the national phase until 30 mo	
Within 20 months from the priority date, the applicant must perfor before all designated Offices which have not been elected in the priority date or could not be elected because they are not bound	e demand or in a later election within 19 months from the
Name and mailing address of the International Searching Authority	Authorized officer
European Patent Office, P.B. 5818 Patentiaan 2 NL-2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo ni, Fax: (+31-70) 340-3016	Raoul Emme

Form PCT/ISA/220 (hity 1998)

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference WOP12750A	FOR FURTHER See No (Form F	tification of Transmitta PCT/ISA/220) as well	al of International Search Report as, where applicable, item 5 below.
International application No.	International filing date (day/month	/year) (Earliest) Priority Date (day/month/year)
PCT/GB 01/00009	02/01/2001		07/01/2000
Applicant SEIKO EPSON CORPORATION			
This International Search Report has been according to Article 18. A copy is being tra	ansmitted to the International Bureau	ching Authority and is	transmitted to the applicant
This International Search Report consists It is also accompanied by	of a total of3 she a copy of each prior art document cit		
Basis of the report With record to the learning the			
 a. With regard to the language, the language in which it was filed, unl 	international search was carried out of ess otherwise indicated under this ite	on the basis of the into m.	ernational application in the
the international search w Authority (Rule 23.1(b)).	as carried out on the basis of a transl	ation of the internatio	onal application furnished to this
	d/or amino acid sequence disclosed e sequence listing: nal application in written form. rnational application in computer read		application, the international search
	this Authority in written form.		
	this Authority in computer readble for		
the statement that the sub international application as	sequently furnished written sequence s filed has been furnished.	listing does not go b	eyond the disclosure in the
the statement that the info furnished	rmation recorded in computer readab	le form is identical to	the written sequence listing has been
2. Certain claims were four	nd unsearchable (See Box I).		
3. Unity of invention is lack	ting (see Box II).		
4. With regard to the title,			
X the text is approved as sut	omitted by the applicant.		
the text has been establish	ed by this Authority to read as follow	s:	
5. With regard to the abstract,			
the text is approved as subthe text has been establish within one month from the	omitted by the applicant. led, according to Rule 38.2(b), by this date of mailing of this international se	Authority as it appea earch report, submit o	ars in Box III. The applicant may, comments to this Authority.
6. The figure of the drawings to be public	shed with the abstract is Figure No.		1
as suggested by the applic			None of the figures.
because the applicant faile			
because this figure better o	characterizes the invention.		



A. CLASSIFICATION OF SUBJECT MATTER IPC 7 H01L21/336 H01L29/786

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

С.

 $\begin{array}{ll} \mbox{Minimum documentation searched (classification system followed by classification symbols)} \\ \mbox{IPC 7} & \mbox{H01L} \end{array}$

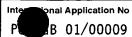
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ, INSPEC, COMPENDEX

Citation of document, with indication, where appropriate, of the relevant passages	
Chairon of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
PATENT ABSTRACTS OF JAPAN vol. 011, no. 312 (E-548), 12 October 1987 (1987-10-12) -& JP 62 104172 A (FUJITSU LTD), 14 May 1987 (1987-05-14)	1-5,8,9, 11
abstract; figures 1,2	6,7,10, 12,13
EP 0 401 577 A (FUJITSU LTD) 12 December 1990 (1990-12-12) figures 3-5 column 3, line 53 -column 4, line 34 column 5, line 1 -column 9, line 11	1-5,8,9
	6,7, 10-13
•	vol. 011, no. 312 (E-548), 12 October 1987 (1987-10-12) -& JP 62 104172 A (FUJITSU LTD), 14 May 1987 (1987-05-14) abstract; figures 1,2 EP 0 401 577 A (FUJITSU LTD) 12 December 1990 (1990-12-12) figures 3-5 column 3, line 53 -column 4, line 34 column 5, line 1 -column 9, line 11

X Further documents are listed in the continuation of box C.	Patent family members are listed in annex.
 Special categories of cited documents: 'A' document defining the general state of the art which is not considered to be of particular relevance 'E' earlier document but published on or after the international filing date 'L' document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) 'O' document referring to an oral disclosure, use, exhibition or other means 'P' document published prior to the international filing date but later than the priority date claimed 	 'T' later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention 'X' document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone 'Y' document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art. '&' document member of the same patent family
Date of the actual completion of the international search 2 March 2001	Date of mailing of the international search report 13/03/2001
Name and mailing address of the ISA European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016	Authorized officer Polesello, P



C.(Continu	ation) DOCUMENTS CONSIDERED TO BE RELEVANT	P 8 01/00009
Category °		Relevant to claim No.
X	PATENT ABSTRACTS OF JAPAN vol. 012, no. 357 (E-662), 26 September 1988 (1988-09-26) & JP 63 114265 A (FUJITSU LTD),	1-3,8-11
Α	19 May 1988 (1988-05-19) abstract	4-7,12, 13
X	US 4 965 213 A (BLAKE TERENCE G W) 23 October 1990 (1990-10-23) figures 3-6 column 4, line 34 -column 8, line 40	1-4,6
Y A		7 5,8-13
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Y A	abstract; figure 1	7 2-6
X	GB 1 543 132 A (SIEMENS AG) 28 March 1979 (1979-03-28) figures 1-3 page 1, line 63 - line 83	1-5,8
A	page 2, line 94 -page 3, line 70	6,7,9-13
X	PATENT ABSTRACTS OF JAPAN vol. 013, no. 213 (E-759), 18 May 1989 (1989-05-18) -& JP 01 025573 A (HITACHI LTD), 27 January 1989 (1989-01-27)	1-5,8
A	abstract; figures 1,2	6,7,9-13
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A	abstract; figures 1-6	6,9-13
A	US 5 365 080 A (YAMAZAKI SHUNPEI ET AL) 15 November 1994 (1994-11-15) column 6, line 20 - line 42	12,13

Infor

on patent family members

Inte	nai	Application No
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	atent document d in search report	t	Publication date	Patent family Publication member(s) date		
JP	62104172	Α	14-05-1987	NONE		
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JP	58064064	Α	16-04-1983	NONE		
US	5365080	A	15-11-1994	JP 80	67563 A 28520 B 30608 A	24-09-1992 21-03-1996 27-07-1999